JOHN BUNN®

Neb-u-Tyke RR™

COMPRESSOR NEBULIZER

MODEL: JB0112-064

USER'S MANUAL

Read this manual before operating the nebulizer
Save these instructions for future reference

Caution:
Federal law restricts this device to sale by or on order of a physician, or any other practitioner licensed by the law of the State in which he practices to use or order the use of this device.

JB0112-064-INS-LABRevB06

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Symbols key

ON.....

Off / Customize nebulizing.....

DC.....

Class II.....

Type B.....

Read the instructions....

Introduction

Congratulations on your purchase of the John Bunn Piston Compressor Nebulizer.

Thanks for trusting us.

Graham Field guarantees that this product has been manufactured with high quality materials and fulfills all the standing safety standards, both national and international. Please read the instructions very carefully before using it and use the machine as described here.

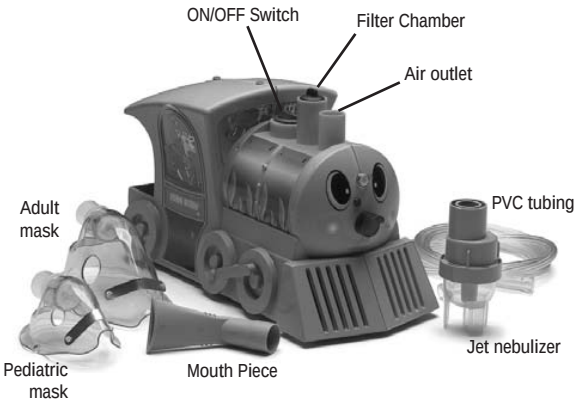
Important Safeguards

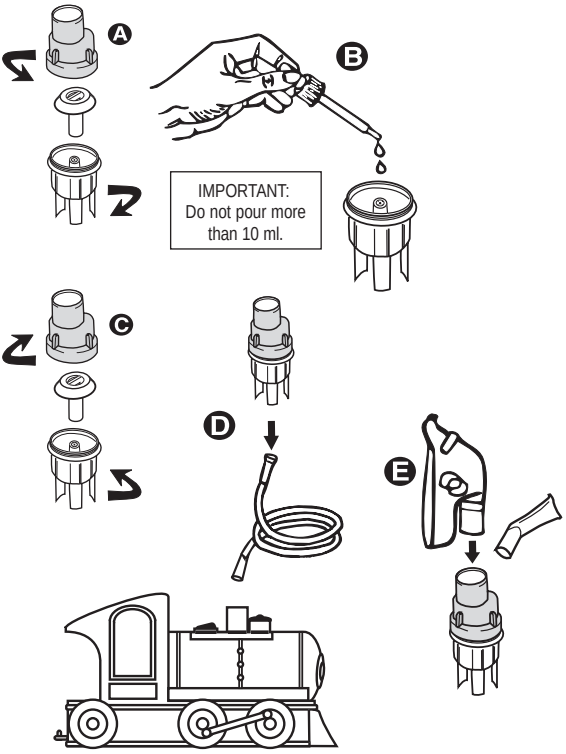
1. Read the instruction manual carefully before using the unit and keep it for future consultation.
2. This nebulizer must be used only for the specific cause it was created for: the aerosol therapy. Any other use will be considered unsuitable and thus dangerous. The manufacturer can not be considered responsible of the damages caused by unsuitable, incorrect or irrational use if the unit has been used in electrical installations not in accordance with the standing safety standards.
3. The following precautions are especially important:
   - The unit is not protected from liquid penetration.
   - The nebulizer must not be touched with wet hands.
   - Do not use in extreme weather conditions.
   - Do not use the device in presence of inflammable anesthetic mix in contact with the air, oxygen or nitrogen protoxide.
4. Unplug the unit before cleaning or maintaining it. Disconnect the nebulizer when not in use.
5. Do not untwist the jet nebulizer when the unit is operating.
6. Do not leave medication inside the jet nebulizer when not in use.
7. Do not pour more than 10 ml in the jet nebulizer.

8. Use the unit on stable surfaces. Never use while sleeping or drowsy.
9. Do not submerge the nebulizer in water.
10. Use the unit intermittently. Maximum operating period: 30 minutes. It must stand unused for 30 minutes between uses.
11. The mask and the mouth nozzle are for personal use, and they must not be shared in order to avoid any infection or contagion.
12. Children should use this unit only under adult supervision.
13. This unit must be repaired only by authorized personal.

NOTE: This unit employs a thermal limiter that will shut off the entire product should the motor overheat.

Features




A
B
IMPORTANT:
Do not pour more
than 10 ml.
C
D
E

Operating Instructions

1. Take the unit out of the box.
2. Press the red button and slide the cover backwards, then remove accessories.
3. Open the jet nebulizer (Fig. A) and pour the medication to nebulize into it. Do not pour more than 10 ml. (Fig. B), then twist both parts and close again. (Fig. C).
4. Connect the tubing to the jet nebulizer and the other end to the nebulizer outlet. (Fig. D).
5. Put the mask or the mouth piece to be used into the jet nebulizer (Fig. E).
6. Connect the unit to a suitable power receptacle.
7. Turn the unit on pressing the ON/OFF switch to start the treatment.
8. Turn the unit off and unplug it once the treatment has finished.
9. Clean the jet nebulizer and the devices as indicated in “Cleaning” section.
10. Store the jet nebulizer and the devices in the unit’s storage compartment.

Filter change

1. Filter should be changed every 6 months or sooner if the filter turns completely gray in color.
2. Remove filter cap by grasping it firmly and pulling out the unit.
3. Change the dirty filter of the cap with small, pointed object.
4. Insert a clean John Bunn filter. Extra filters are available.
5. Push filter cap with new filter into position.

Caution:

Do not use cotton or any other material. Do not wash or clean the filter. Use only John Bunn filters. Do not operate without a filter.

Cleaning and Maintenance

Important:

Before using the nebulizer for the first time or after each use, the accessories must be cleaned as follows: clean all the accessories, except the tubing, with a warm water and mild detergent solution. Rinse with warm tap water for 30 seconds to remove detergent. Soak all the parts in a mixture of three parts water to one part white vinegar for 30 minutes in a container, or use a bacterial germicide disinfectant, which can be obtained in drugstores.

Clean your hands properly and take the accessories out of the disinfectant solution. Rinse them with warm tap water and let air dry on clean paper towels. Put them into a sealed bag. Do not dry the nebulizer parts with a towel because this could contaminate them.

NOTICE: It is recommended to clean all accessories after each use to avoid possible infection risk due to contaminated medication. Nebulize only medications prescribed by the physician and follow the physician's indications. Do not use balsam or aromatic substances.

Use a dry cloth to clean the out part of the unit.

The jet nebulizer and the accessories must NOT be boiled.

The jet nebulizer has to be replaced if it becomes stuck by medication or other substances.

Under no circumstances should the compressor be opened. There is not any part inside it that could be repaired by non-qualified workmanship. The compressor does not require either lubrication or maintenance.

Spare parts provided

1 Jet nebulizer	1 Pediatric mask
1 PVC tubing	1 Adult mask
1 Mouth piece	1 Instructions Manual
1 Air Filter (3)	and Warranty

Technical Specifications

Method of nebulization	Dry piston compressor
Operation voltage	110-120V ~ 60Hz
Class	II
Power consumption	1.10- 1.2 A
Jet nebulizer maximum capacity	10 ml.
Mean Mass Aerodynamic Diameter (microns)	less than 5 microns
Medication outlet	0.33 ml/min or greater
Liter flow range	6-8 l/min
Approximate maximum pressure	32.5 psi
Weight	3.75 lbs.
Unit dimensions	6.7" x 5.5" x 4"
Operation Humidity and Temperature	41º to 104º F, 30% to 95% RH
Storage Humidity and Temperature	14º to 104º F, 10% to 95% RH
Atmospheric pressure range for carriage and storage	500-1060 mb

*The specifications are subject to change without previous notice.

Trouble Shooting Guide

If something out of the normal happens during operation, please check and correct the following points:

Symptom	Possible cause	Suggested solutions
Although the device is on, it does not work	1-Incorrectly connected to power source 2-No power 3-The AC Adapter is not connected	1-Check the plug is properly connected 2-Check that power is on 3-Check the AC Adapter is properly connected
The mist does not come out	1-Not enough medication in jet nebulizer. 2-Too much medication. 3-PVC tubing disconnected.	1-Add medication, maximum 10 ml. 2-Remove excess medication from cup. 3-Connect the PVC tubing.
Aerosol output reduced (low)	1-Air filter is clogged. 2-The jet nebulizer is dirty.	1-Replace for a clean air filter. 2-Replace for new one.

5 Year Limited Warranty

Graham-Field warrants to the original retail purchaser that this product is free from defects in material and workmanship for a period of 5 years from the date of purchase. This warranty does not cover failures resulting from misuse, abuse, alteration of the John Bunn Nebulizer System, use of improper components or failure to comply with the operating instructions. This warranty does not include the Nebulizer System tubing or accessories.

All requests for warranty service should include the model number of your John Bunn Nebulizer System, proof of purchase (including date of purchase), your phone number and the nature of your service request. Graham-Field will either repair or at its option replace free of charge any parts necessary to correct defects in material or workmanship covered by this limited warranty.

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, WHETHER ORAL, WRITTEN, EXPRESS OR IMPLIED. THERE ARE NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, EXCEPT FOR THOSE IMPLIED WARRANTIES ARISING BY OPERATION OF LAW WHICH ARE LIMITED IN DURATION TO THE 1 YEAR TERM OF THIS WARRANTY. GRAHAM-FIELD'S LIABILITY, WHETHER BASED ON CONTRACT, TORT, WARRANTY, STRICT LIABILITY, OR ANY OTHER THEORY, SHALL NOT EXCEED THE PRICE OF THE INDIVIDUAL JOHN BUNN NEBULIZER SYSTEM WHICH IS THE BASIS OF THE CLAIM. IN NO EVENT SHALL GRAHAM-FIELD BE LIABLE FOR ANY LOSS OF PROFITS, FACILITIES, EQUIPMENT OR OTHER INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts, or allow the exclusion or limitation of incidental, consequential, or special damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights. You may also have other rights which vary from state to state

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JB0112-064-INS-LABRevB06
NFIL/31026